Visual Aids California Education and the Environment Initiative **Science Standard** 6.6.a. **CALIFORNIA Education** and the Environment

Energy: It's Not All the Same to You!

California Education and the Environment Initiative

Approved by the California State Board of Education, 2010

The Education and the Environment Curriculum is a cooperative endeavor of the following entities:

California Environmental Protection Agency
California Natural Resources Agency
Office of the Secretary of Education
California State Board of Education
California Department of Education
California Integrated Waste Management Board

Key Leadership for the Education and Environment Initiative:

Linda Adams, Secretary, California Environmental Protection Agency
Patty Zwarts, Deputy Secretary for Policy and Legislation, California Environmental Protection Agency
Andrea Lewis, Assistant Secretary for Education and Quality Programs, California Environmental Protection Agency
Mark Leary, Executive Director, California Integrated Waste Management Board
Mindy Fox, Director, Office of Education and the Environment, California Integrated Waste Management Board

Key Partners:

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Office of Education and the Environment
1001 | Street • Sacramento, California 95812 • (916) 341-6769
http://www.calepa.ca.gov/Education/EEI/

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Lesson 1 Energy Sources and Resources

None required for this lesson.

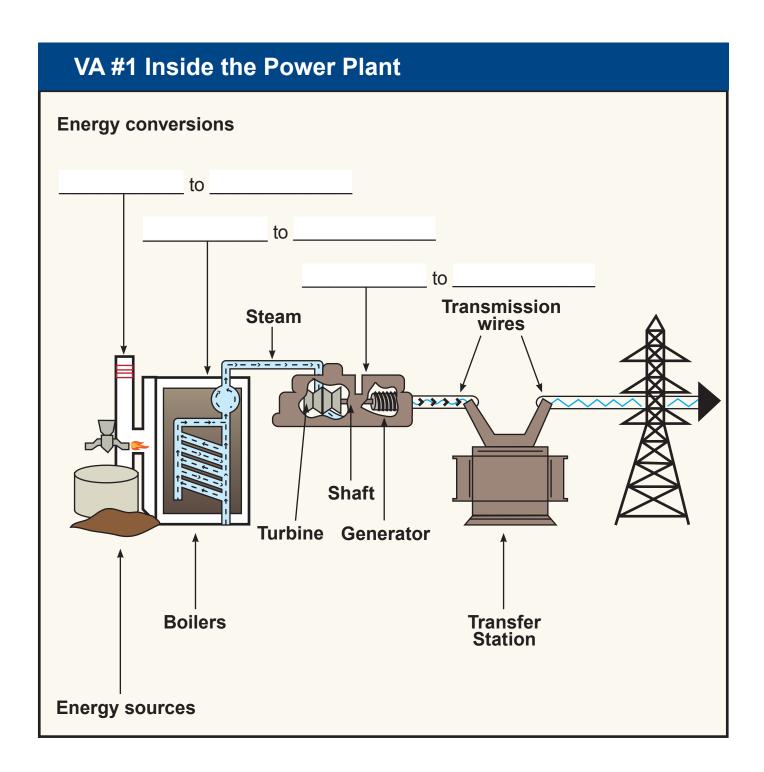
Lesson 2	Converting	Energy
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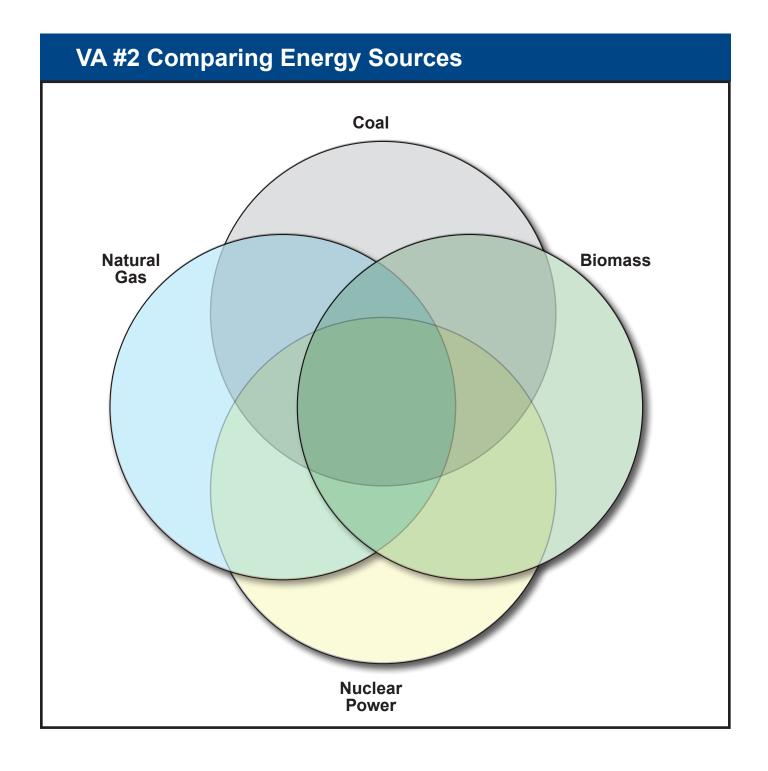
Lesson 3 Byproducts of Electrical Production

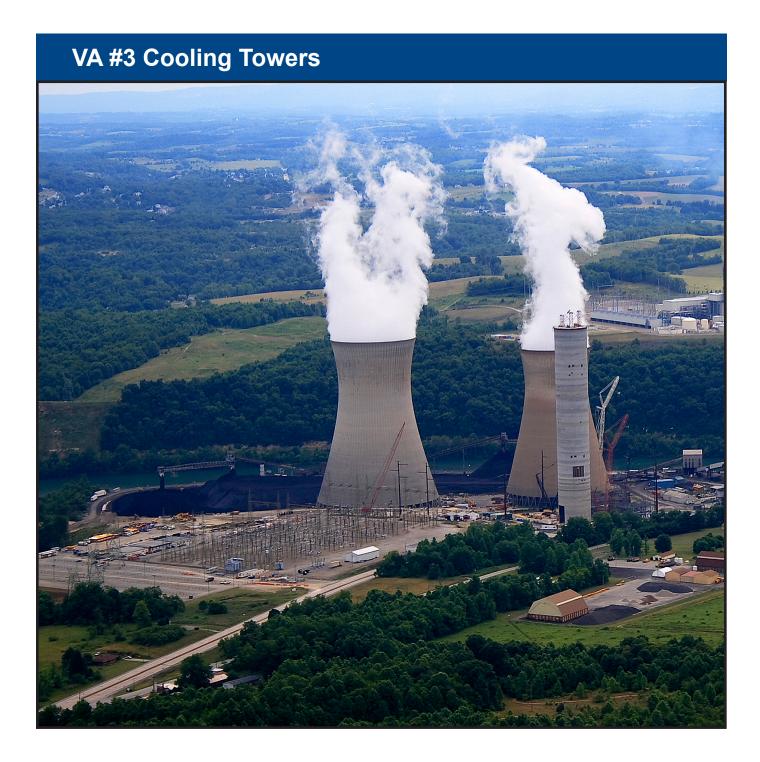
Lesson 4 Effects of Energy Choices

Lesson 5 Energy Choices—No Free Lunch

None required for this lesson.

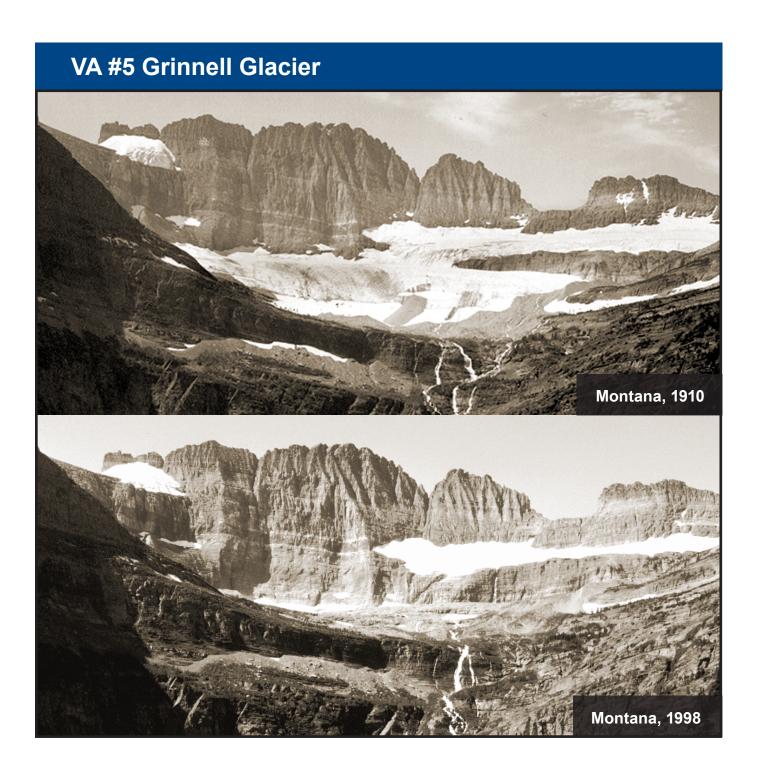




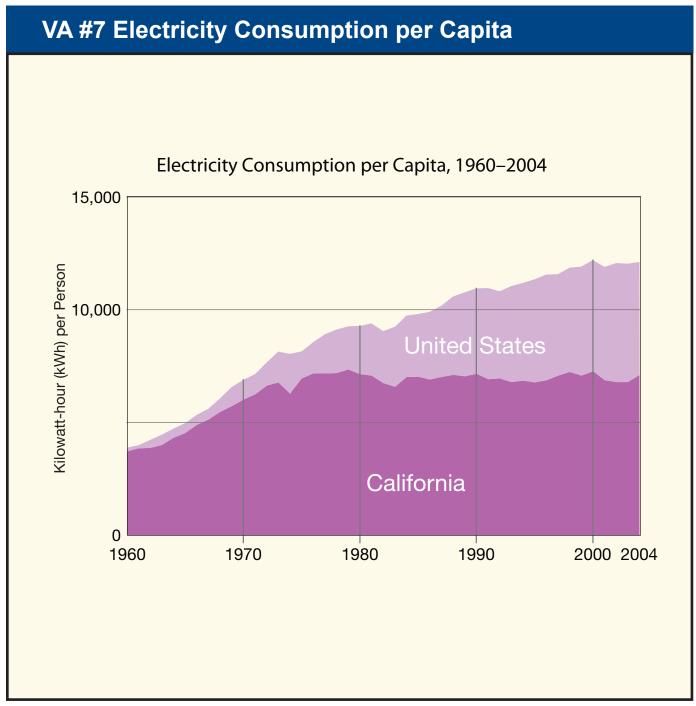


VA #4 California's Power Mix				
Energy Source	Percent of Total			
Natural Gas	45.2%			
Coal	16.6%			
Nuclear	14.8%			
Large Hydro	11.7%			
Renewable Sources:				
Geothermal	4.5%			
Small Hydro	2.8%			
Wind	2.3%			
Biomass	2.1%			
Solar	0.2%			
Total	100%			

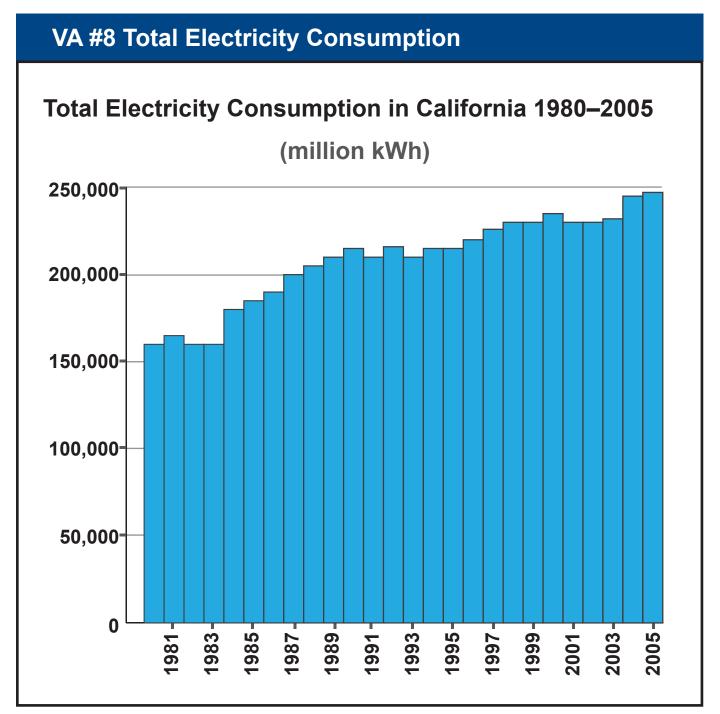
California Energy Sources—2007 Source: California Energy Commission







Source: California Energy Commission



Source: U.S. Department of Energy





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